

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claim 1, 17, and 24, as follows:

1. (CURRENTLY AMENDED) A method for displaying channel information on a digital television for receiving digital multichannel television broadcasting, comprising:
changing a current channel to a demanded major channel in response to a demand to change a major channel; ~~and~~
displaying on a television screen, as a viewing program, a program of a minor channel received through the demanded major channel; and
displaying on the digital television, minor channel numbers received through the demanded major channel,
wherein the displayed minor channel numbers comprise at least one minor channel number corresponding to a program of a minor channel which is not currently displayed on the digital television.

2-3. (CANCELLED)

4. (PREVIOUSLY PRESENTED) The method as claimed in claim 1, further comprising hiding said minor channel numbers after a prescribed time elapses.

5. (PREVIOUSLY PRESENTED) The method as claimed in claim 4, further comprising changing a current channel to a demanded minor channel in response to a demand to change a minor channel and returning to said displaying of minor channel numbers.

6. (PREVIOUSLY PRESENTED) The method as claimed in claim 1, further comprising hiding said major channel number and said minor channel numbers after a prescribed time elapse.

7. (PREVIOUSLY PRESENTED) A method for displaying channel information on a digital television for receiving digital multichannel television broadcasting, comprising:

selecting a radio frequency (RF) channel corresponding to a major channel number selected by a user;

displaying, as a viewing program, a program of a minor channel received through said selected RF channel corresponding to the major channel number selected by the user; and

displaying minor channel numbers received through said major channel on the digital television.

8. (PREVIOUSLY PRESENTED) The method as claimed in claim 7, wherein said minor channel numbers are arranged in a prescribed direction on the digital television.

9. (CANCELLED)

10. (PREVIOUSLY PRESENTED) The method as claimed in claim 7, wherein said displaying a program displays, as said viewing program, a program of a lowest minor channel number among said minor channel numbers.

11. (PREVIOUSLY PRESENTED) The method as claimed in claim 8, further comprising changing said viewing program by selecting a corresponding minor channel in response to a channel up or down key being pressed.

12. (PREVIOUSLY PRESENTED) The method as claimed in claim 11, wherein said changing said viewing program comprises :

if said channel up key is pressed, determining if the minor channel number of said viewing program is a highest number among said minor channel numbers;

if the manor channel number of said viewing program is the highest number, displaying a program of a lowest minor channel number as said viewing program, and returning to said displaying minor channel numbers;

if the minor channel number of said viewing program is not the highest number displaying a program of a higher number adjacent to the minor channel number of said viewing program, and returning to said displaying minor channel numbers;

if a channel down key is pressed, determining if the minor channel number of said viewing program is the lowest number among said minor channel numbers;

if the minor channel number of said viewing program is the lowest number, displaying a program of the highest minor channel number as said viewing program, and returning to said displaying minor channel numbers; and

if the minor channel number of said viewing program is not the lowest number, displaying a program of a lower number adjacent to the minor channel dumber of said viewing program, and returning to said displaying minor channel numbers.

13. (PREVIOUSLY PRESENTED) The method as claimed in claim 8, further comprising changing said viewing program by selecting a corresponding major channel and a corresponding minor channel whenever a channel up or down key is pressed.

14. (PREVIOUSLY PRESENTED) The method as claimed in claim 13, wherein said changing said viewing program comprises:

if said channel up key is pressed, determining if the minor channel number of said viewing program is a highest number among said minor channel numbers;

if the minor channel number of said viewing program is the highest number, selecting an RF channel of the next major channel number of said selected major channel, and returning to said displaying a program;

if the minor channel number of said viewing program is not the highest number, displaying a program of a higher number adjacent to the minor channel number of said viewing program as said viewing program, and returning to said displaying minor channel numbers;

if a channel down key is pressed, determining if the minor channel number of said viewing program is a lowest number among said minor channel numbers;

if the minor channel number of said viewing program is the lowest number, selecting an RF channel of the previous major channel number of said selected major channel, and returning to said displaying one of minor channel; and

if the minor channel number of said viewing program is not the lowest number, displaying a program of a lower number adjacent to the minor channel number of said viewing program as said viewing program, and returning to said displaying minor channel numbers.

15-16. (CANCELLED)

17. (CURRENTLY AMENDED) An apparatus for displaying channel information on a digital television for receiving digital multichannel television broadcasting, comprising:

a channel changing device to change a current channel to a selected major channel; and

~~the digital television to display minor channel numbers of programs received through the selected major channel~~

a display to display, as a viewing program, a program of a minor channel received through the selected major channel and minor channel numbers of programs received through the selected major channel,

wherein the displayed minor channel numbers comprise at least one minor channel number corresponding to a program of a minor channel which is not currently displayed on the digital television.

18. (PREVIOUSLY PRESENTED) A device for displaying channel information on a digital television for receiving digital multichannel television broadcasting, comprising:

a selecting device to select a radio frequency channel corresponding to a major channel number selected by a user; and

the digital television to display, as a viewing program, a program of a minor channel received through said selected RF channel corresponding to the major channel number selected by the user, and to display minor channel numbers received through said major channel and the major channel number separately from the corresponding minor channel numbers without any extensions,

wherein the display displays the minor channel numbers and the major channel number simultaneously and displays in a format of X, X-1, X-2 . . . X-n, wherein X is the major channel number, 1, 2 . . . n are minor channel numbers, and n is the highest minor channel number.

19-22. (CANCELLED)

23. (PREVIOUSLY PRESENTED) The method as claimed in claim 18, further comprising displaying the program of the selected minor channel, wherein the programs of the non-selected minor channel are not displayed.

24. (CURRENTLY AMENDED) A method comprising:
displaying a major channel number and a corresponding minor channel number~~[[,]]~~ of a currently received and displayed digital correspond program~~[[,]]~~ as received through the major channel.

25-26. (CANCELLED)

27. (PREVIOUSLY PRESENTED) The method as claimed in claim 1, wherein the changing the current channel comprises changing outside of an EPG environment.

28. (PREVIOUSLY PRESENTED) The method as claimed in claim 1, wherein the displaying on a television screen comprises automatically displaying.

29. (PREVIOUSLY PRESENTED) The method as claimed in claim 1, wherein the programs having the minor channel numbers are on a same RF band as the major channel.

30. (PREVIOUSLY PRESENTED) The method as claimed in claim 24, wherein the programs having the minor channel numbers are on a same RF band as the major channel.